CERTIFICATE OF MAILING BY EXPRESS MAIL TO THE COMMISSIONER OF PATENTS AND TRADEMARKS

Express Mail mailing label number: EL319729871US

Date of Mailing: June 20, 2000

I certify that the attached continuation-in-part patent application of Serial No. 09/024,867, filed February 17, 1998 of ROY C. CHALLBERG, LARRY E. FENNERN and RUSSELL M. FAWCETT for CORE CONFIGURATION FOR A NUCLEAR REACTOR (Attorney Docket No. 24-AT-6005) including:

- Nine (9) pages of specification; three (3) pages of claims; one (1) page of abstract
- Drawings (5 sheets)
- Declaration and Power of Attorney of Roy C. Challberg and Larry E. Fennern (2 pgs.); Declaration and Power of Attorney of Russell M. Fawcett (2 pgs.)
- Assignment of Roy C. Challberg and Larry E. Fennern (2 pgs.); Assignment of Russell M. Fawcett (2 pgs.) and Assignment Recordation Form (in duplicate) (1 pg.)
- Information Disclosure Statement (1 pg.); Information Disclosure Statement Transmittal (2 pgs.)(in triplicate), with Attachments AA-AF
- Utility Patent Application Transmittal (1 pg.)
- Fee Transmittal (in duplicate) (1 pg.)
- Certificate of Mailing Via Express Mail (1 pg.)
- Return post card

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. §1.10 on the date indicated above in an envelope addressed to the Assistant Commissioner for Patents, Box PATENT APPLICATION, Washington, D.C. 20231.

Michael Tersillo Reg. No. 42,180

Armstrong Teasdale LLP

One Metropolitan Square, Suite 2600

Tesill

St. Louis, MO 63102 (314) 621-5070

PTO/SB/05 (2-98)

Please type a plus sign (+) inside this box ___

Approved for use through 9/30/00. OMB 0651-0032
Patent and Smark Office: U.S. DEPARTMENT OF COMMERCE

Under the paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. Attorney Docket No. 24-AT-6005 UTILITY First Named Inventor or Application Roy C. Challberg PATENT APPLICATION N Identifier C **TRANSMITTAL** CORE CONFIGURATION FOR A NUCLEAR REACTOR W Express Mail Label No. EL319729871US new nonprovisional applications under 37 CFR 1.53(b)) APPLICATION ELEMENTS Assistant Commissioner for Patents Box Patent Application Washington, DC 20231 See MPEP chapter 600 concerning utility patent application contents. ADDRESS TO: Fee Transmittal Form (e.g., PTO/SB/17) Microfiche Computer Program (Appendix) (Submit an original, and a duplicate for fee processing) Nucleotide and/or Amino Acid Sequence Submission (If applicable, all necessary) [Total Pages | 13 Specification (Preferred arrangement set forth below) Computer Readable Copy - Descriptive title of the Invention Paper Copy (identical to computer copy) Cross References to Related Applications b. - Statement Regarding Fed sponsored R & D Statement verifying identity of above copies - Reference to Microfiche Appendix Background of the Invention - Brief Summary of the Invention **ACCOMPANYING APPLICATION PARTS** Brief Description of the Drawings (if filed) - Detailed Description X Assignment Papers (cover sheet & document(s)) - Claim(s) 9. 37 CFR 3.73(b) Statement Power of Attorney - Abstract of the Disclosure (when there is an assignee) Drawing(s) (35 USC 113) [Total Sheets 10. English Translation Document (if applicable) Information Disclosure Copies of IDS Citations Oath or Declaration [Total Pages Statement (IDS)/PTO-1449 12. Preliminary Amendment 4 Newly executed (original or copy) 13. Return Receipt Postcard (MPEP 503) Copy from a prior application (37 CFR 1.63(d)) (Should be specifically itemized) (for continuation/divisional with Box 17 completed) Statement filed in prior application, Small Entity [Note Box 5 below] Statement(s) (PTO/SB/09-12) Status still proper and desired **DELETION OF INVENTOR(S)** Signed statement attached deleting inventor(s) named Certified Copy of Priority Document(s) (If foreign priority is claimed) in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). Other: Express Mail Certificate Incorporation by Reference (useable if Box 4b is checked) The entire disclosure of the prior application, from which a copy of the *NOTE FOR ITEMS 1 & 14: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. §1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28). oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein 17. CONTINUING APPLICATION, check appropriate box and supply the requisite information: Continuation Divisional X Continuation-in-part (CIP) of prior application No: 09/024.867 Examiner: J. Keith Prior application information: Group/Art Unit: 3641 18. CORRESPONDENCE ADDRESS Customer Number or Bar Code Label Correspondence address below (Insert Customer No. ar Attach bar code label here) NAME John S. Beulick Armstrong Teasdale LLP **ADDRESS** One Metropolitan Square Suite 2600 CITY St. Louis STATE MO ZIP CODE 63102-2740 COUNTRY U.S.A. TELEPHONE FAX (314) 621-5065 (314) 621-5070 Name (Print/type) Registration No. (Attorney/Agent) 42.180 Michael Tersillo Signature Date 16 h 'eo

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL		Complete if Known				
		Application Number				
Patent fees are subject to annual revision on October 1. These are the fees effective October 1, 1997. Small entity payments <u>must</u> be supported by a small entity statement, otherwise		Filing Date				
		First Named Inventor	Roy C. Challberg			
large entity fees must be paid. See Forms PTC See 37 C.F.R. §§ 1.27 and 1.28.	D/SB/09-12.	Group Art Unit				
000 07 011 111 33 1121 0110 1120.		Examiner Name				
TOTAL AMOUNT OF PAYMENT	(\$) 690.00	Attorney Docket Number	24-AT-6005			
METHOD OF PAYMENT (check one)		FEE CALCULATION (continued)				

			г						
METHOD OF PAYMENT (check one)		FEE CALCULATION (continued)							
The Commissioner is hereby authorized to charge indicated fees and			3. ADDITIONAL FEES						
credit any over payments to:			Large Entity Small Entity						
Deposit			Fee Code		Fee Code	Fee (\$)	Fee Description	Fee Paid	
Account Number 01-2384			""	(*)		(4)	r co boodipilon	1001 414	
Number			105	130	205	65	Surcharge - late filing fee of		
Deposit			127	50	227	25	Surcharge-late provisional filing fee or cover sheet		
Account Name		139	130	139	130	Non-English specification			
rea			147	2,520	147	2,520	For filing a request for reex	xamination	
☐ Charge Any Additional ☐ Charge the Issue Fee Set in Fee Required Under 37 CFR 1.16 and 1.17 Notice of Allowance		112	920*	112	920*	Requesting publication of SIR prior to Examiner action			
2. Payment En	nclosed:		113	1,840*	113	1,840*	Requesting publication of s Examiner action	SIR after	
☐ Check	☐ Money Order	Other	115	110	215	55	Extension for reply within f		
	EEE CALCUL ATION		116	400	216	200	Extension for reply within a month	second	
	FEE CALCULATION		117	950	217	475	Extension for reply within t		
1. FILING FEE			118	1,510	218	755	Extension for reply within for month		
Large Entity Small Fee Fee Fee	Fee	•	128	2,060	228	1,030	Extension for reply within f	ifth month	
Code (\$) Code		Fee Paid	119 120	310 310	219 220	155 155	Notice of Appeal Filing a brief in support of a	an anneal	
101 790 201	395 Utility filing fee	690.00	121	270	221	135	Request for oral hearing	ал арреал	
106 330 206	165 Design filing fee	090.00	138	1,510	138	1,510	Petition to institute a public	use	
107 540 207	270 Plant filing fee						proceeding		
108 790 208 114 150 214	395 Reissue filing fee 75 Provisional filing fee	├ ─┤	140 141	110 1,320	240 241	55 660	Petition to revive - unavoidable Petition to revive - unintentional		
			142	1,320	242	660	Utility issue fee (or reissue		
	SUBTOTAL (1)	\$) 690.00	143	450	243	225	Design issue fee	′ 	
			144	670	244	335	Plant issue fee		
2. CLAIMS			122	130	122	130	Petitions to the Commissio		
	Fee from Extra below	n Fee Paid	123	50	123	50	Petitions related to provision applications	onal	
Total Claims	13 - 20 = 0 x 3 - 3 = 0 x	= 0	126 581	240 40	126 581	240 40	Submission of Information		
Independent Claims Multiple Dependent C		= 0	361	40	261	40	Recording each patent ass per property (times numbe		
Large Entity Small	Entity		146	790	246	395	Filing a submission after final		
Fee Fee Fee	Fee		rejection (37 CFR 1.129(a))			»			
Code (\$) Code	(\$) Fee Description		149	790	249	395	For each additional inventi-		
103 22 201	11 Claims in excess of 20						examined (37 CFR 1.129(t	o))	
	41 Independent claims in excess of 3								
104 270 204 100 Mattiple dependent claim									
patent *Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) -0-							(\$) -0-		
SUBTOTAL (2) (\$)-0-									
SUBMITTED BY							Complete	(if applicable)	
Typed or N Printed Name	Michael Tersillo	_		_		_	Reg. Number	42,180	
Signature	Michaeller	illo Dat	e /	1/u	s /o	טר	Deposit Account		

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Office, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.